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<b>(21) International Application Number:</b> PCT/US92/07888 <b>(22) International Filing Date:</b> 17 September 1992 (17.09.92) <b>(30) Priority data:</b> 07/764,685      20 September 1991 (20.09.91)      US 07/774,109      8 October 1991 (08.10.91)      US 07/788,423      6 November 1991 (06.11.91)      US 07/855,413      19 March 1992 (19.03.92)      US <b>(60) Parent Applications or Grants</b> (63) Related by Continuation US      07/764,685 (CIP) Filed on      20 September 1991 (20.09.91) US      07/788,423 (CIP) Filed on      6 November 1991 (06.11.91) US      07/774,109 (CIP) Filed on      8 October 1991 (08.10.91) US      07/855,413 (CIP) Filed on      19 March 1992 (19.03.92) <b>(71) Applicant (for all designated States except US):</b> SYNTEX- SYNERGEN NEUROSCIENCE JOINT VENTURE [US/US]; 1885 33rd Street, Boulder, CO 80301 (US).		<b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only) :</b> LIN, Leu-Fen, H. [US/ US]; 1014 Adams Circle, #14, Boulder, CO 80303 (US). COLLINS, Franklin, D. [US/US]; 3925 Promontory Court, Boulder, CO 80304 (US). DOHERTY, Daniel, H. [US/US]; 719 Ithaca Drive, Boulder, CO 80203 (US). LILE, Jack [US/US]; P.O. Box 17033, Boulder, CO 80308 (US). BEKTESH, Susan [US/US]; 3344 34th Street, Boulder, CO 80301 (US). <b>(74) Agents:</b> SWANSON, Barry, J. et al.; Beaton & Swanson, 4582 S. Ulster St. Parkway, Suite 403, Denver, CO 80237 (US). <b>(81) Designated States:</b> AU, CA, FI, HU, JP, KR, NO, US, Eu- ropean patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE). <b>Published</b> <i>With international search report.</i>
<b>(54) Title: GLIAL DERIVED NEUROTROPHIC FACTOR</b>  <b>(57) Abstract</b> <p>A novel neurotrophic factor referred to as glial derived neurotrophic factor (GDNF) has been identified and isolated from serum free growth conditioned medium of B49 glioblastoma cells. Rat and human genes encoding GDNF have been cloned and sequenced. A gene encoding GDNF has been subcloned into a vector, and the vector has been used to transform a host cell in order to produce biologically active GDNF in a recombinant DNA process.</p>		

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